

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.	SERIAL NO.		
				8009-24	10/811,610		
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT			
				Clive Clayton et al.			
				FILING DATE	GROUP ART UNIT		
				March 29, 2004	1762		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION
							YES NO
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>VB</i>			John A. Wert, <u>Microstructures of Friction Stir Weld Joints between an Aluminum-base Metal Matrix Composite and a Monolithic Aluminum Alloy</u> , <i>Scripta Materialia</i> , 49 (2003) pp. 607-612.				
<i>VB</i>			K. Colligan, <u>Material Flow Behavior during Friction Stir Welding of Aluminum</u> , Supplement to the <i>Welding Journal</i> , July 1999, pp. 229s-237s				
<i>VB</i>			M. Guerra et al., <u>Flow Patterns during Friction Stir Welding</u> , <i>Materials Characterization</i> , 39 (2003), pp. 95-101.				
<i>JB</i>			J.H. Ouyang et al., <u>Material Flow and Microstructure in the Friction Stir Butt Welds of the Same and Dissimilar Aluminum Alloys</u> , <i>Journal of Materials Engineering and Performance</i> , Vol. 11(1), February 2002, pp. 51-63				
<i>DO</i>			T.U. Seidel et al., <u>Visualization of the Material Flow in AA2195 Friction-Stir Welds Using a Marker Insert Technique</u> , <i>Metallurgical and Materials Transactions</i> , Vol. 32A, November 2001, pp. 2879-2884				
<i>DM</i>			K.N. Krishnan, <u>On the Formation of Onion Rings in Friction Stir Welds</u> , <i>Materials Science and Engineering</i> , A327 (2002), pp. 246-251				
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<i>K. Bareford</i>			<i>4/5/05</i>				
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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10/83			W.B. Lee et al., <u>The Mechanical Properties Related to the Dominant Microstructure in the Weld Zone of Dissimilar formed Al Alloy Joints by Friction Stir Welding</u> , <i>Journal of Materials Science</i> , 38 (2003) pp. 4183-4191				
10/83			Henry J. White, <u>Deformation During Friction Stir Welding</u> , 2001 NASA/ASEE Summer Faculty Fellowship Program, Marshall Space Flight Center - The University of Alabama in Huntsville				
10/83			Takeshi Shinoda et al., <u>Proposals of Novel Surface Modification Technology using Friction Stir Welding Phenomenon</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2837-2842				
10/83			T. Nishihara, <u>Development of Friction Stir Forming</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2971-2978				
10/83			R.S. Mishra et al., <u>Friction Stir Processing: A Novel Technique for Fabrication of Surface Composite</u> , <i>Materials Science and Engineering</i> , A341 (2003) pp. 307-310.				
10/83			Matt Collier et al., <u>Grade Development of Polycrystalline Cubic Boron Nitride for Friction Stir Processing of Ferrous Alloys</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 3011-3016.				

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March 29, 2004		H762					
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							YES
							NO
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
KB		S.P. Lynch et al., <u>Friction-Stir Processing of a High-Damping Mn-Cu Alloy used for Marine Propellers</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2903-2908					
KB		William A. Palko et al., <u>Investigation of the Use of Friction Stir Processing to Repair and Locally Enhance the Properties of Large Ni Al Bronze Propellers</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2909-2914					
KB		K. Oh-ishi et al., <u>The Influence of Friction Stir Processing on Microstructure and Properties of a Cast Nickel Aluminum Bronze Material</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2885-2890					
KB		Z.Y. Ma et al., <u>Microstructural Modification of Cast Aluminum Alloys Via Friction Stir Processing</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2891-2896					
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